

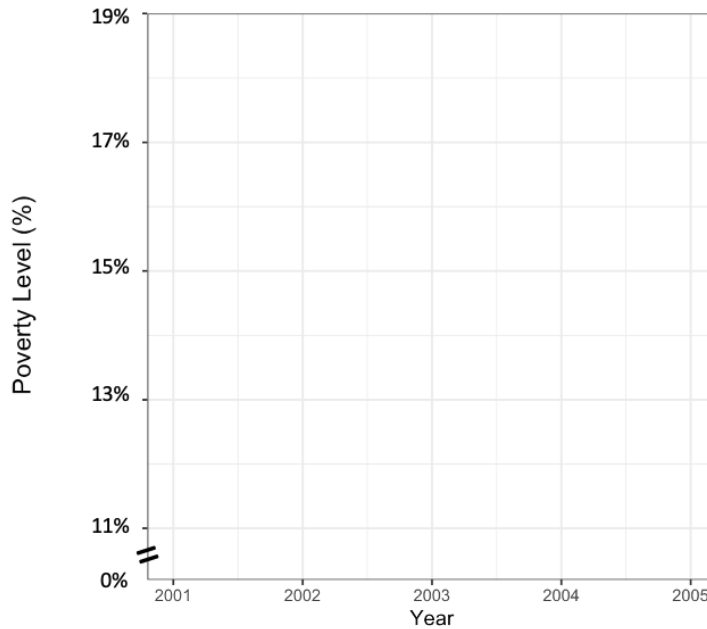
NAME: _____

8.2 Deceptions in Visual Displays of Data

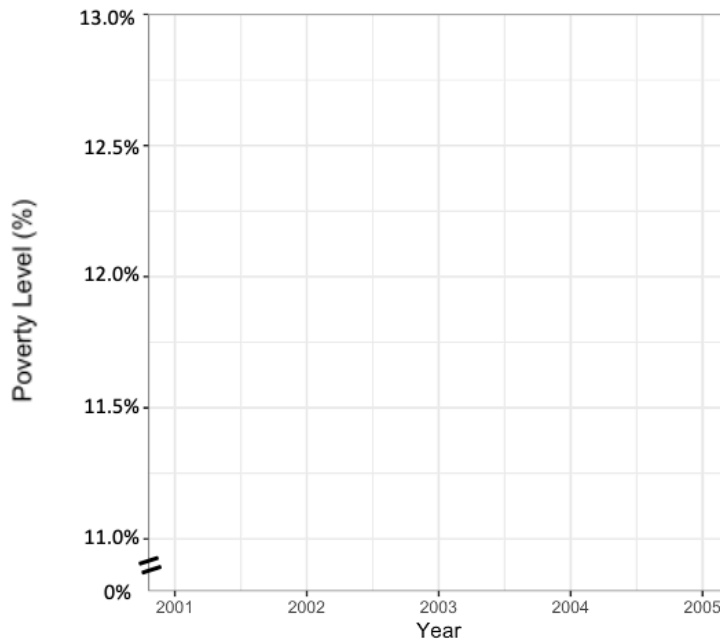
The following table shows the Percentage of People in the United States living below the Poverty Level, 2001-2005.

Year	Poverty Rate
2001	11.7%
2002	12.1%
2003	12.5%
2004	12.7%
2005	12.6%

1. Create a line graph using the table data provided.



2. Create a line graph using the table data provided (note the different Y-scale).



3. Which graph best displays the data? Explain your reasoning.

4. Here is a table that shows the U.S. Poverty Rate from 2001 to 2015. Create a new line graph using the updated table. Explain how does this demonstrate that the graphs you made earlier could be misleading.

Year	Poverty Rate
2001	11.7%
2002	12.1%
2003	12.5%
2004	12.7%
2005	12.6%
2006	12.3%
2007	12.5%
2008	13.2%
2009	14.3%
2010	15.1%
2011	15.0%
2012	15.0%
2013	14.5%
2014	14.8%
2015	13.5%